

Fig-1A

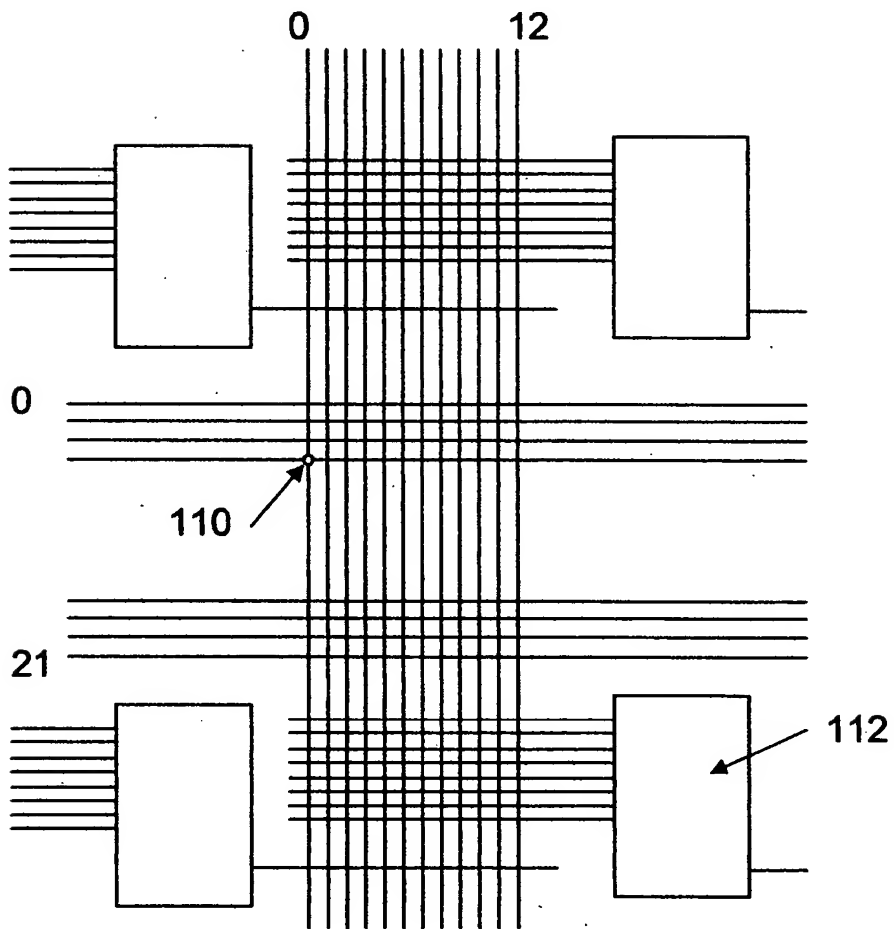


Fig-1B

$$F = A'B'C' + AC'D' + B'CD + A'BC + BCD'$$

AB \ CD	00	01	11	10
00	1	0	1	1
01	1	0	0	0
11	1	1	0	1
10	0	1	1	0

Fig-2A

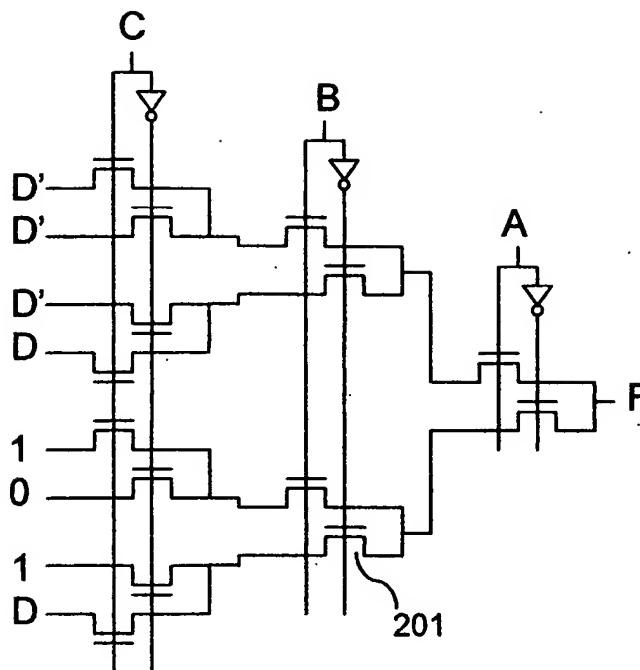


Fig-2B

$$F = A'B'C' + AC'D' + B'CD + A'BC + BCD'$$

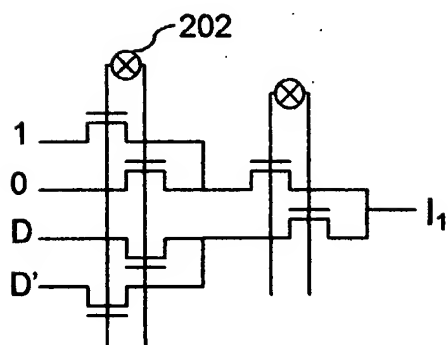


Fig-2C

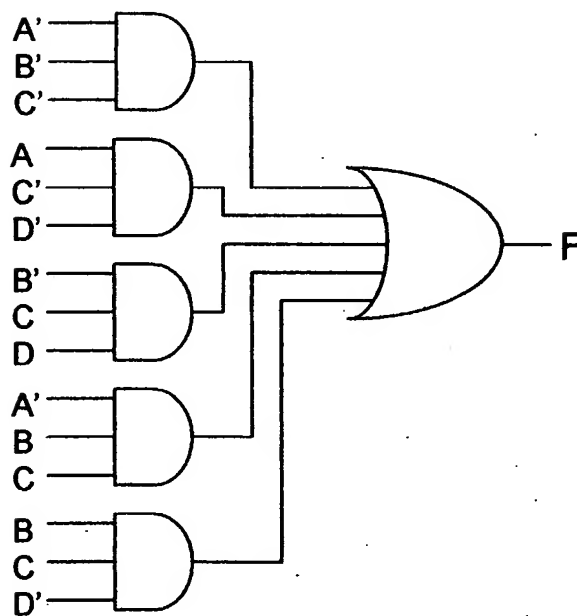


Fig-2D

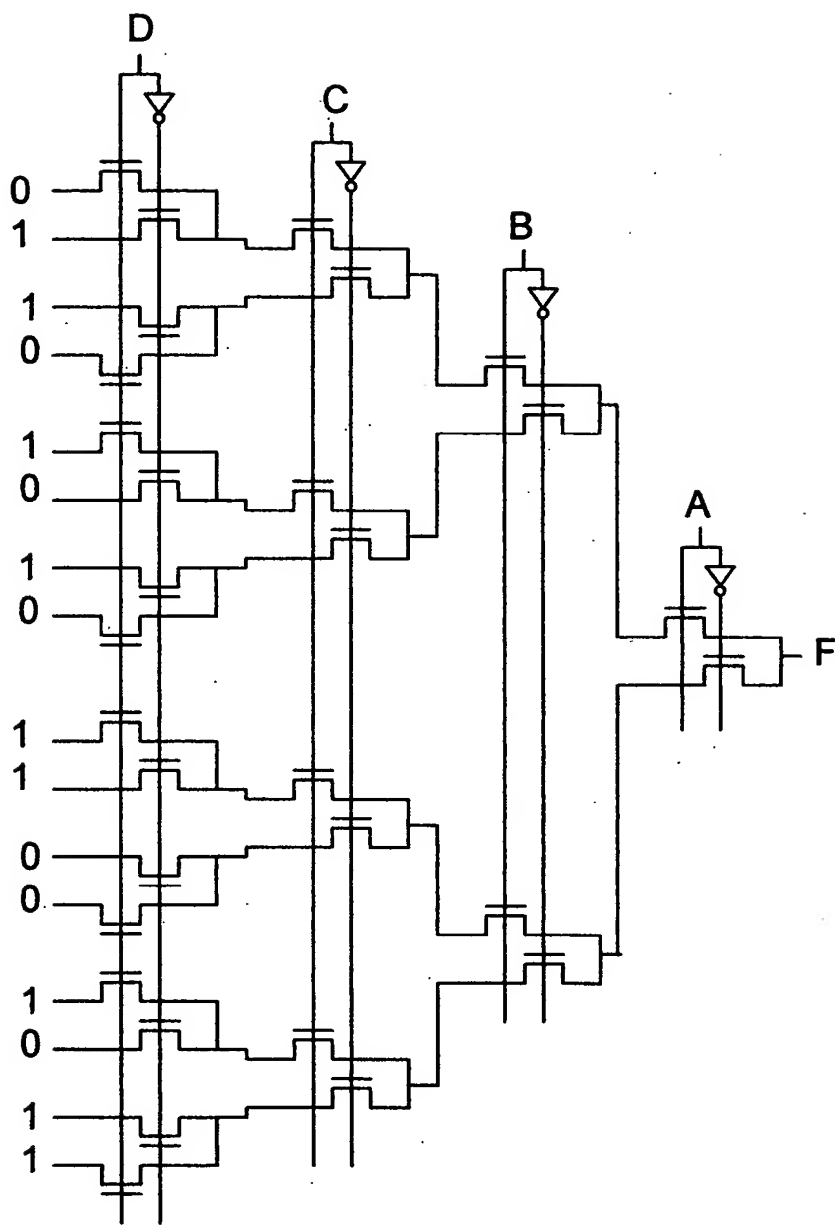


Fig-2E

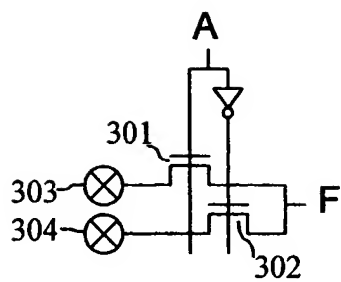


Fig-3A

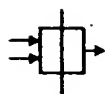


Fig-3B

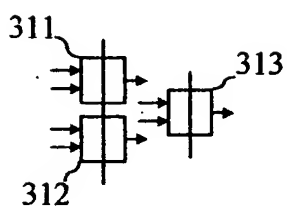


Fig-3C

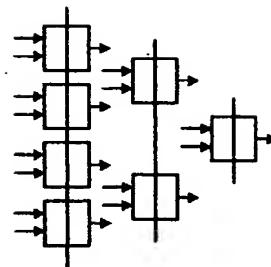


Fig-3D

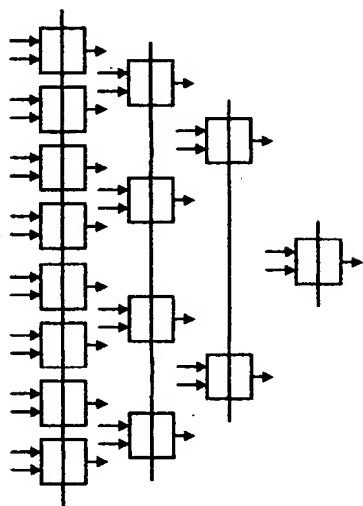


Fig-3E

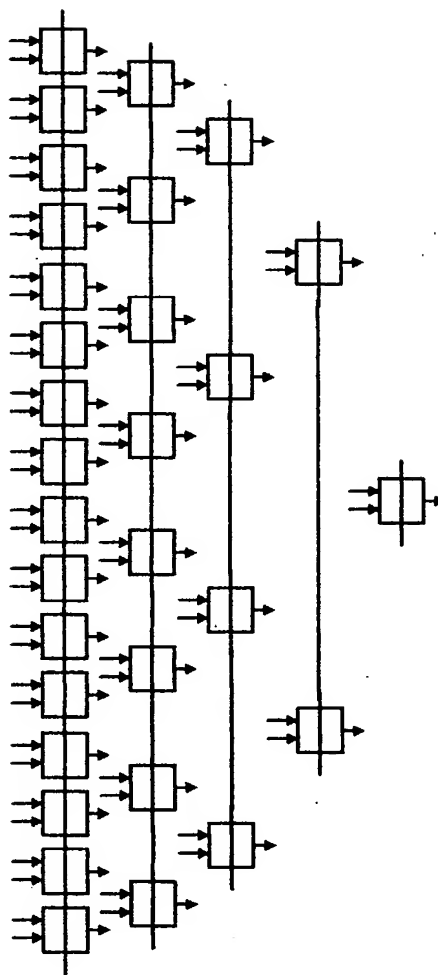


Fig-3F

K-LUT	Per K-LUT
K	# 1-LUTs
2	3
3	7
4	15
5	31
6	63
7	127

Fig-3G

K-LUT	No of	Per K-LUT	Equivalent	% 1-LUT
K	K-LUTs	# 1-LUTs	1-LUTs	Utilization
2	4300	3	12900	100.0%
3	3000	7	21000	61.4%
4	2380	15	35700	36.1%
5	2000	31	62000	20.8%
6	1600	63	100800	12.8%
7	1400	127	177800	7.3%

Fig-4

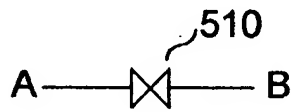


Fig-5A

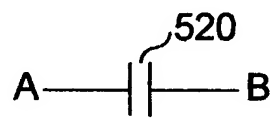


Fig-5B

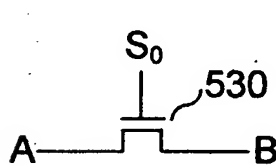


Fig-5C

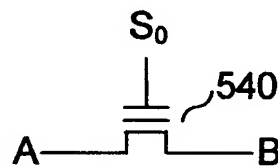


Fig-5D

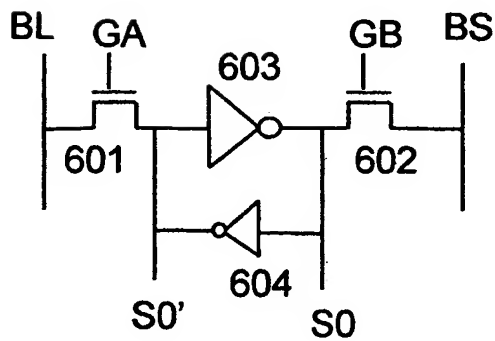


Fig-6A

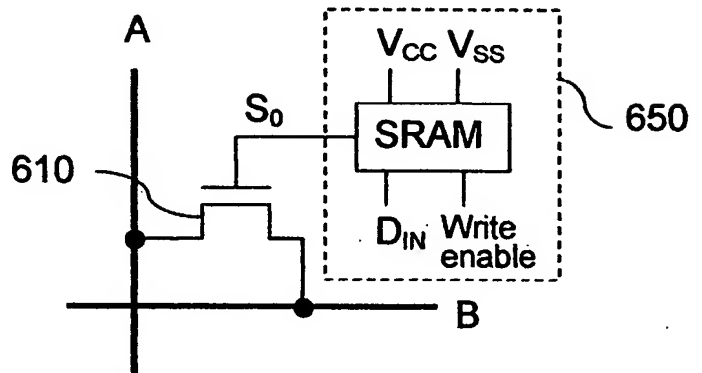


Fig-6B

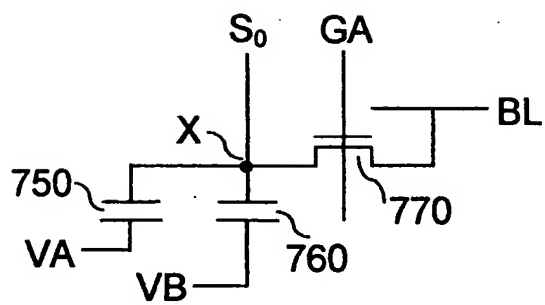


Fig-7

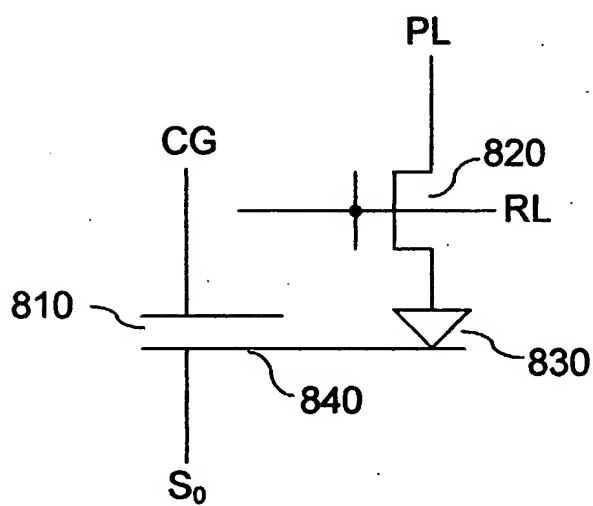


Fig-8A

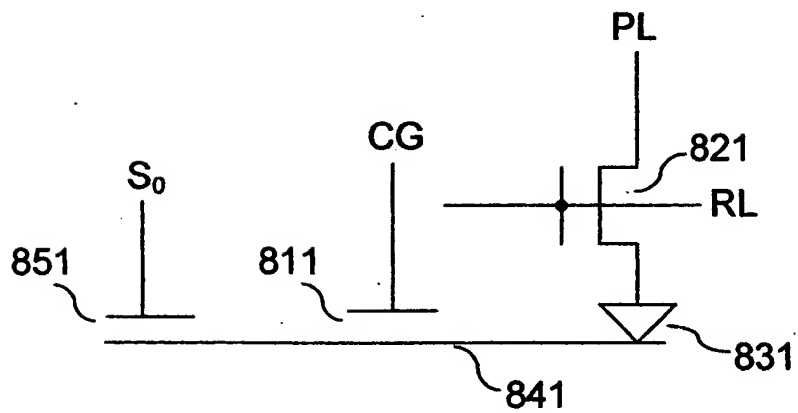


Fig-8B

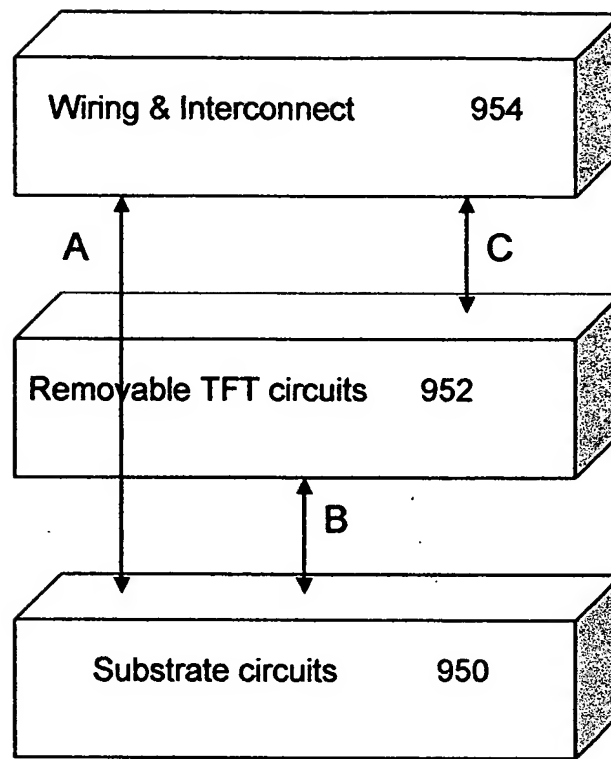


Fig-9

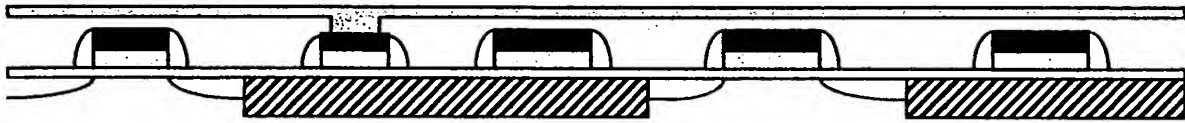


Fig - 10.1

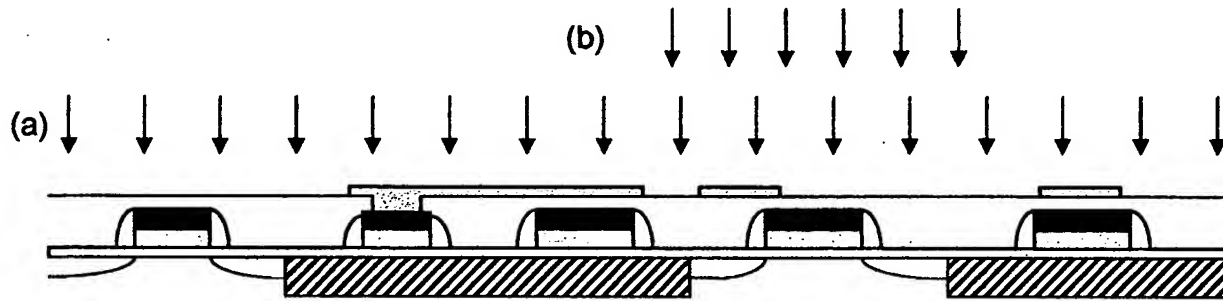


Fig - 10.2

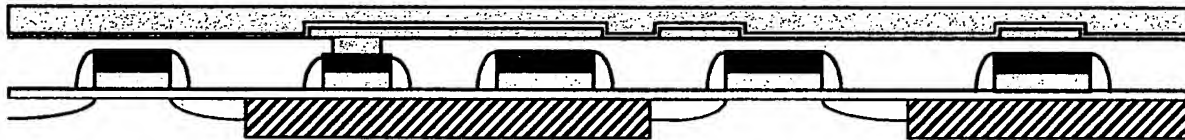


Fig - 10.3

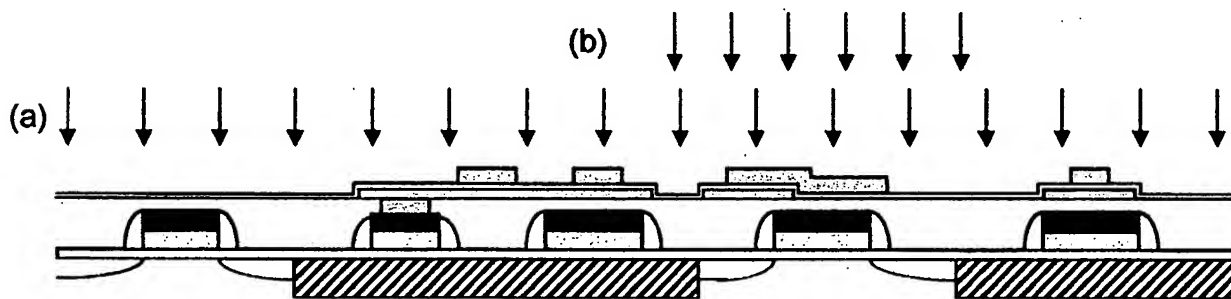


Fig - 10.4

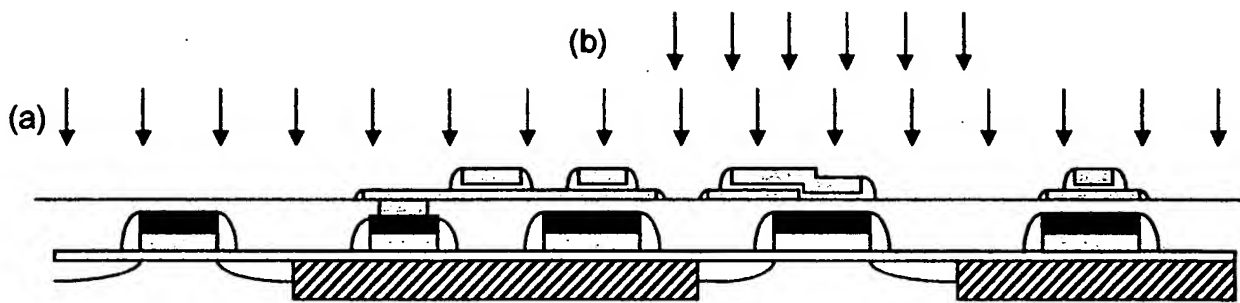


Fig - 10.5

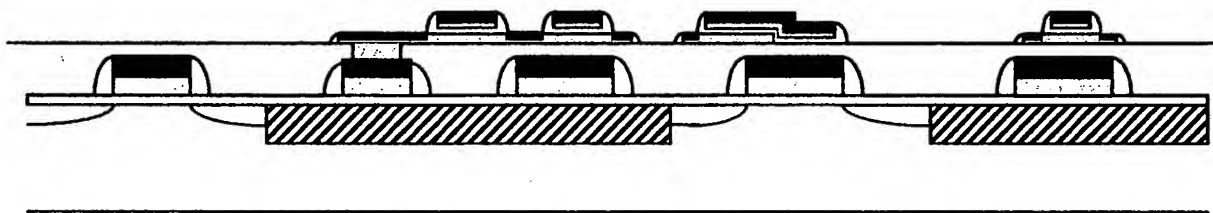


Fig - 10.6

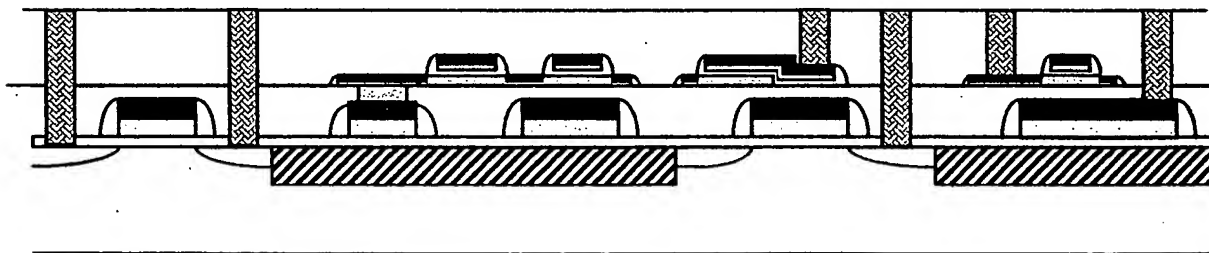


Fig - 10.7

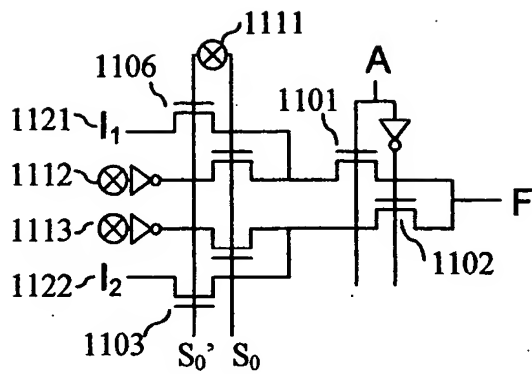


Fig-11A

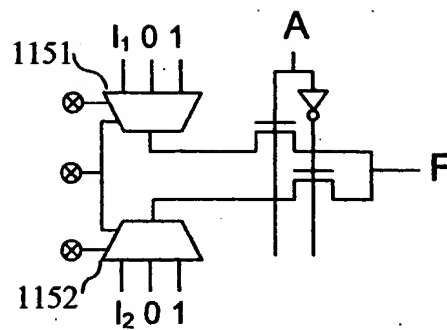


Fig-11B

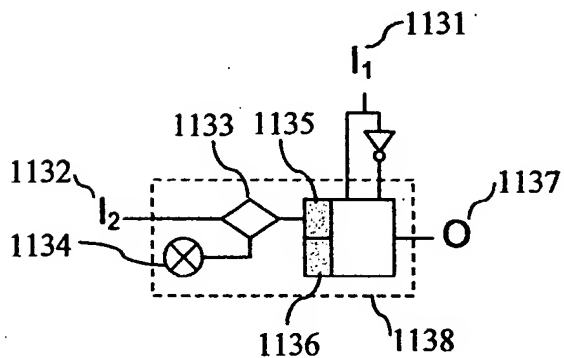


Fig-11C

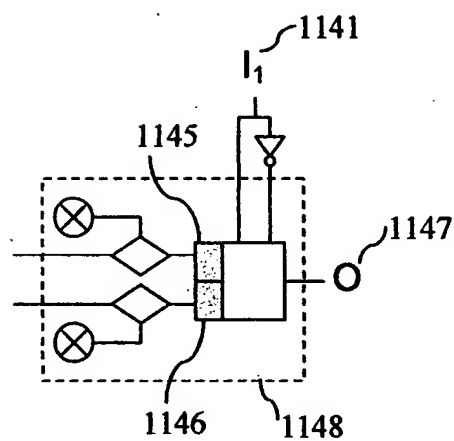


Fig-11D

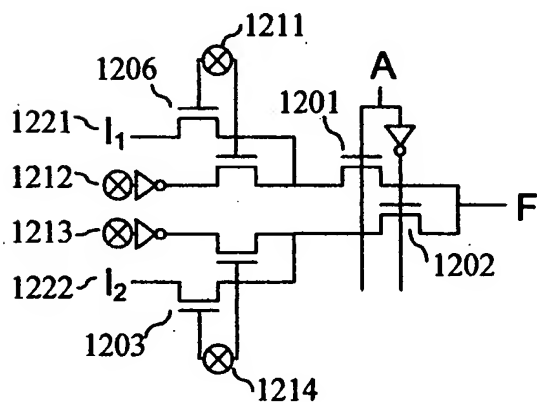


Fig-12A

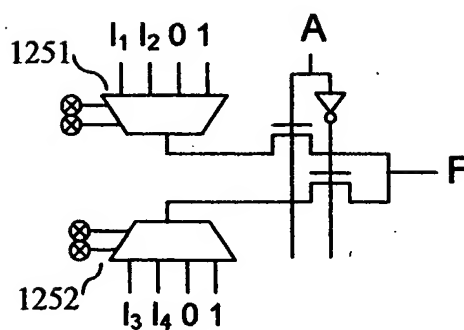


Fig-12B

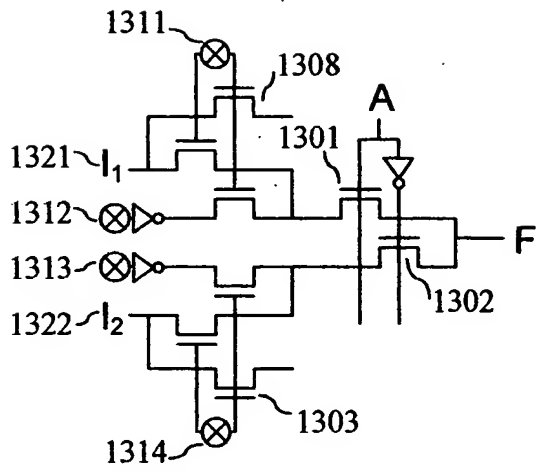


Fig-13A

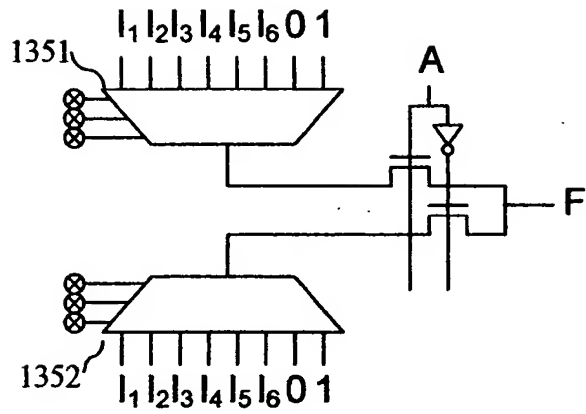


Fig-13B

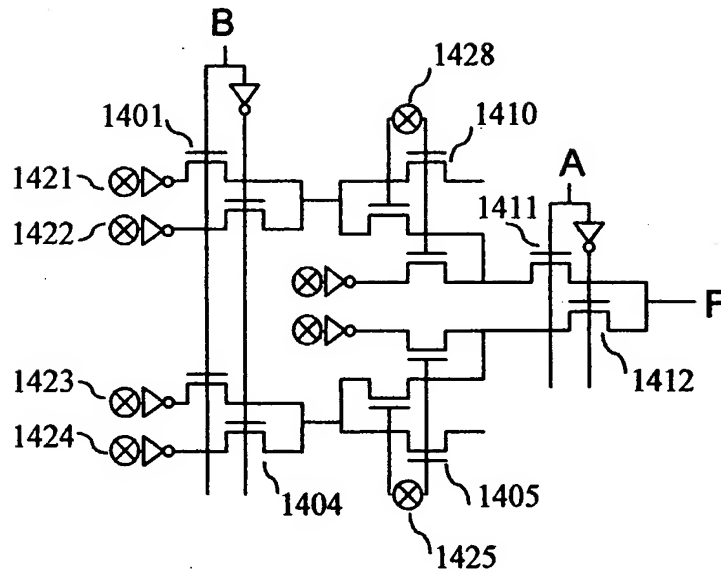


Fig-14

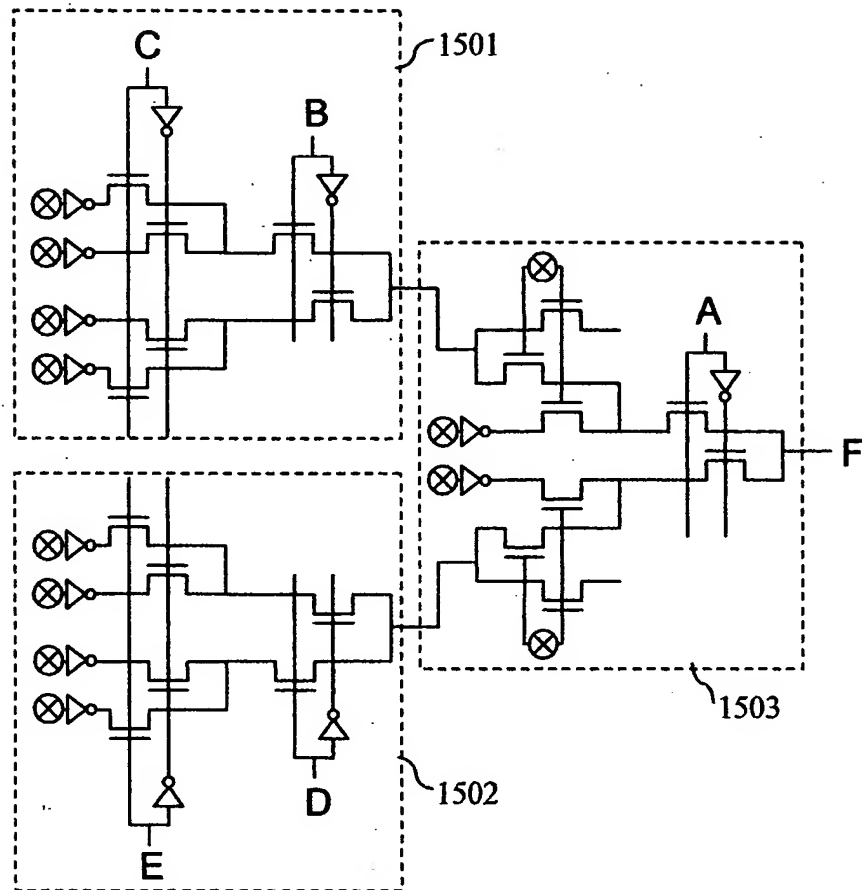


Fig-15

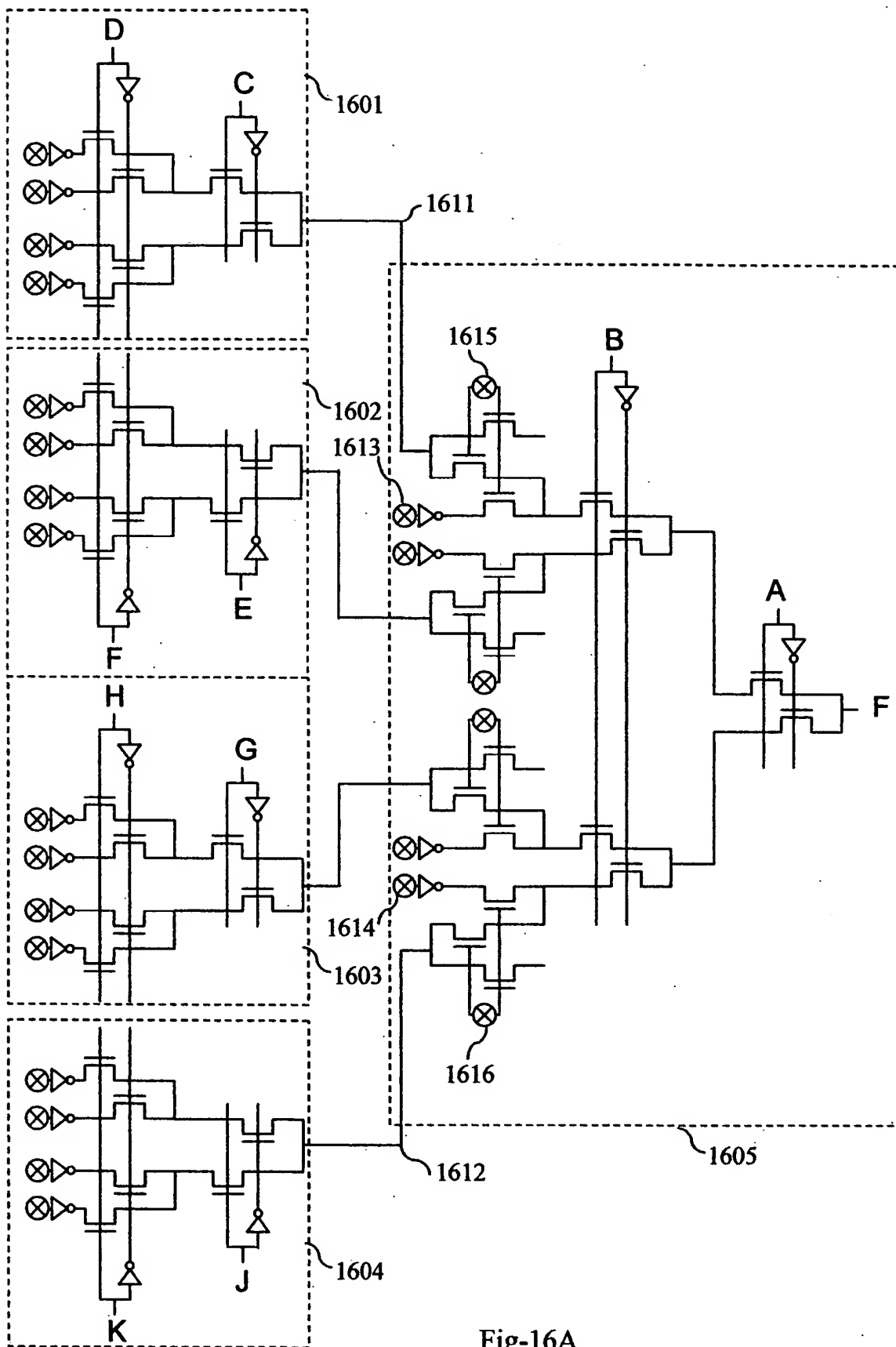


Fig-16A

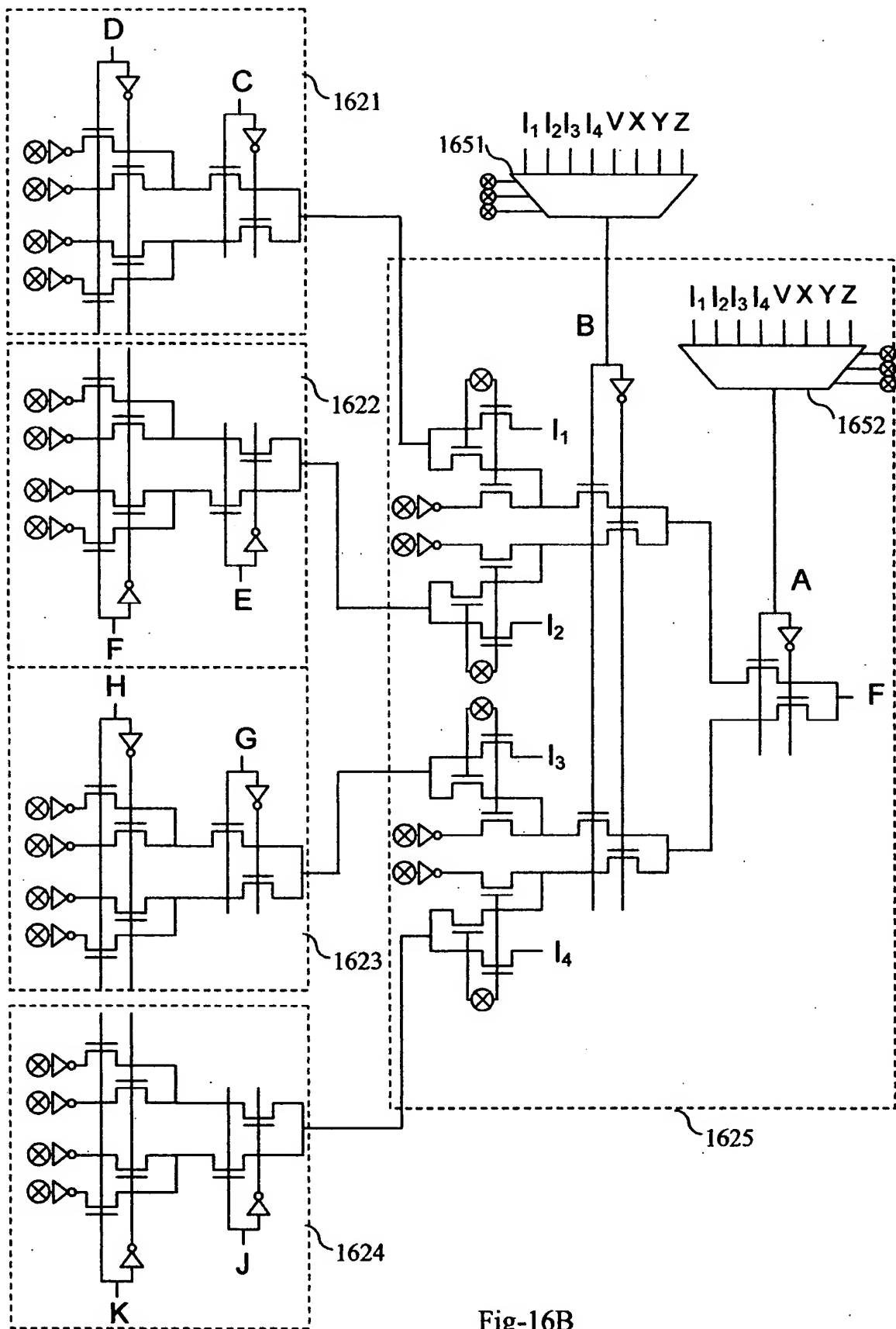


Fig-16B

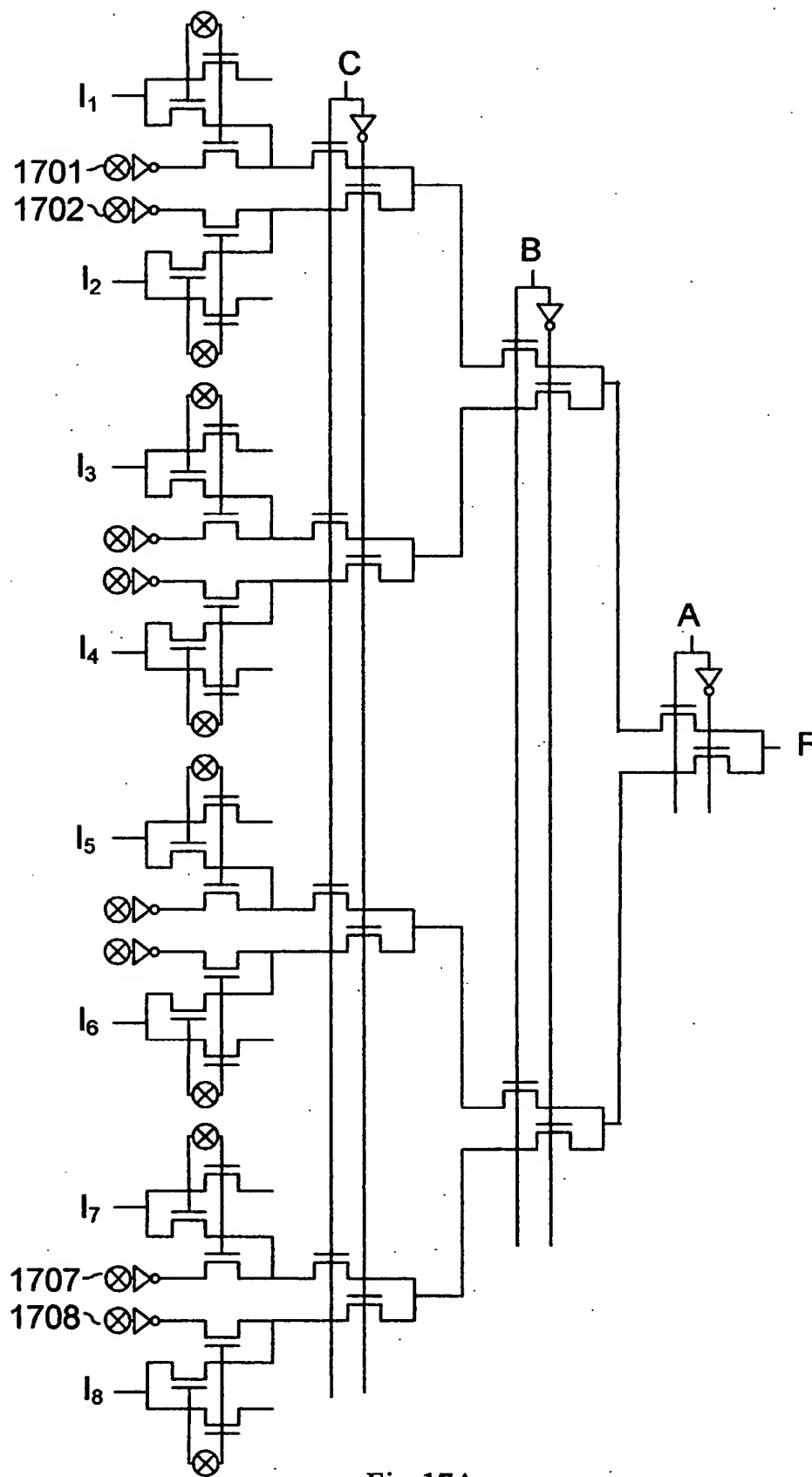


Fig-17A

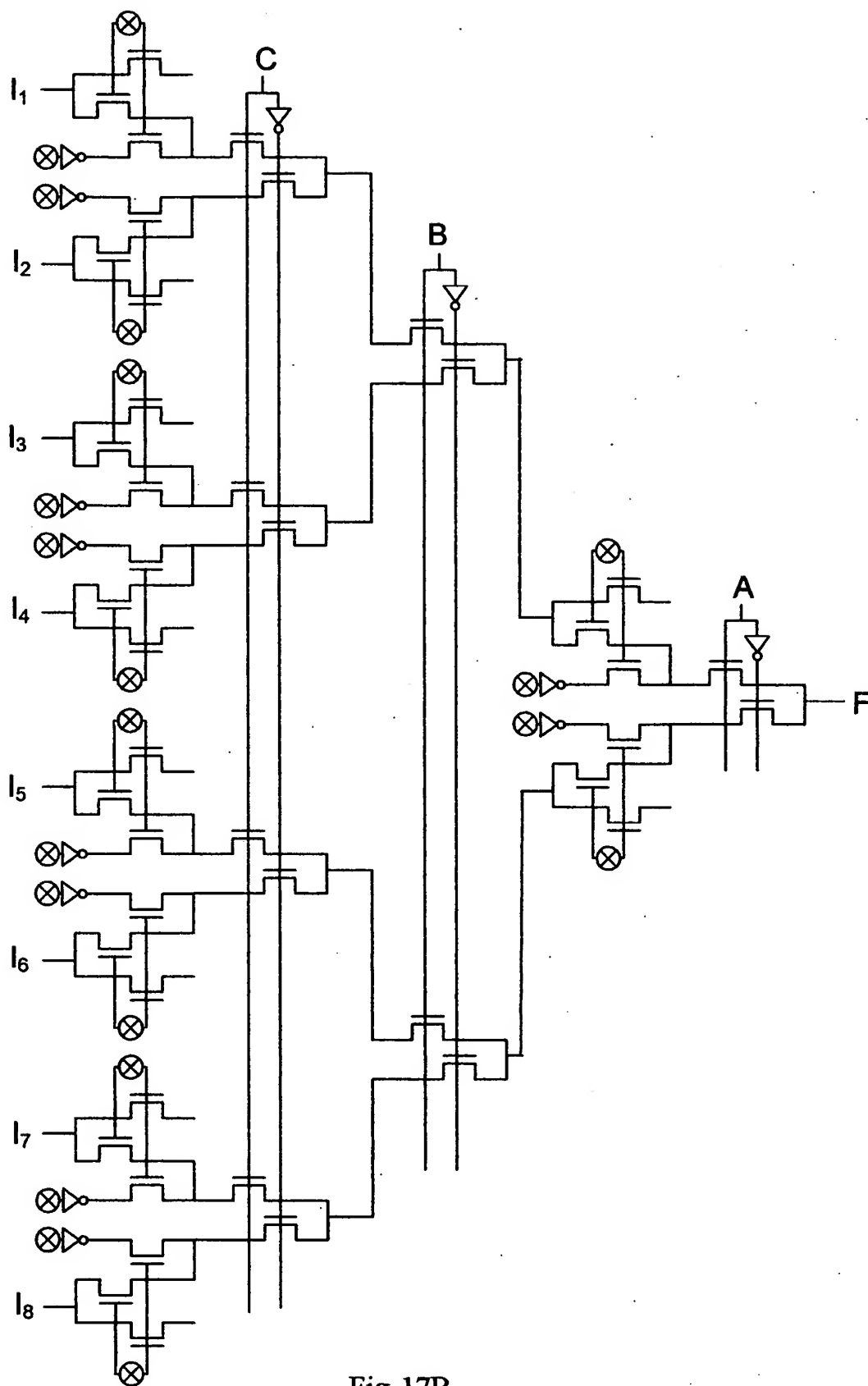


Fig-17B

$$F = A + BC' + CD$$

CD \ AB	00	01	11	10
00	0	0	1	0
01	1	1	1	0
11	1	1	1	1
10	1	1	1	1

Fig-18A

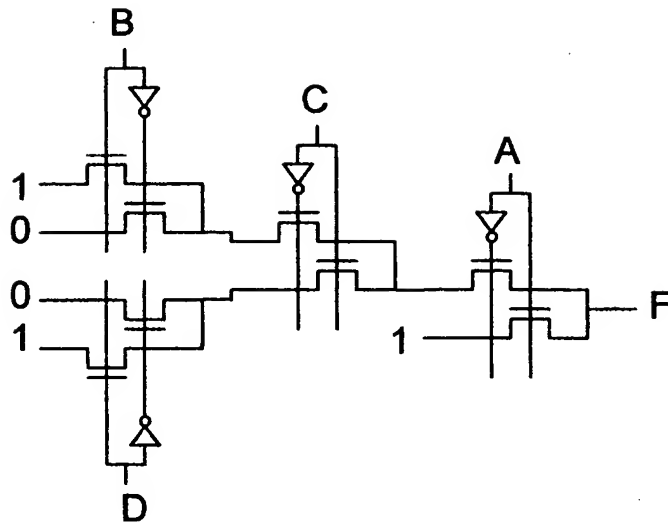


Fig-18B

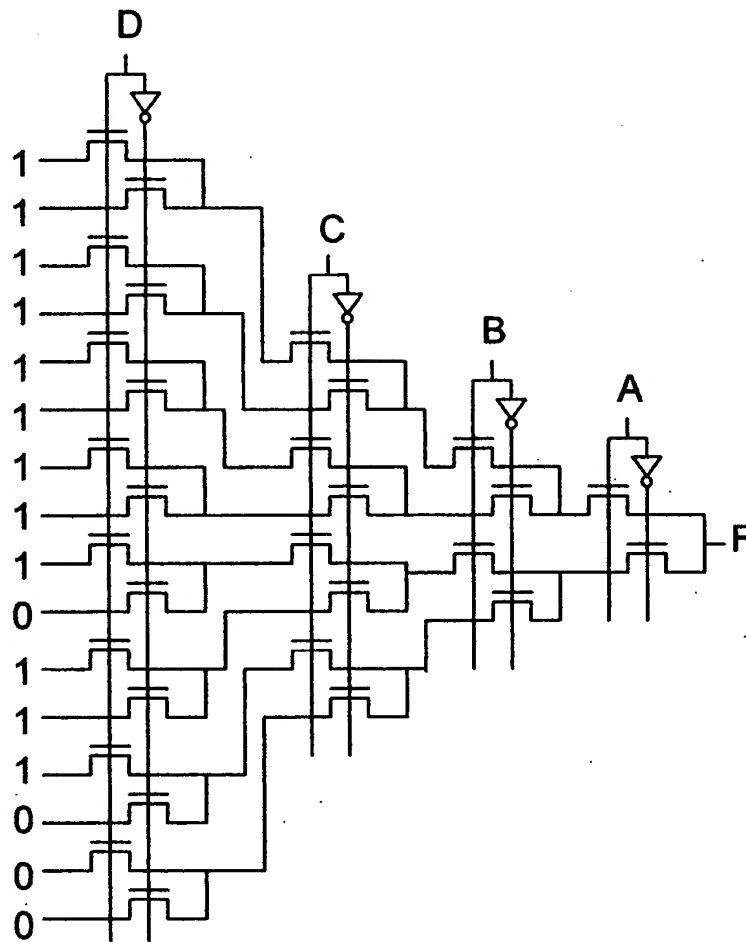


Fig-18C

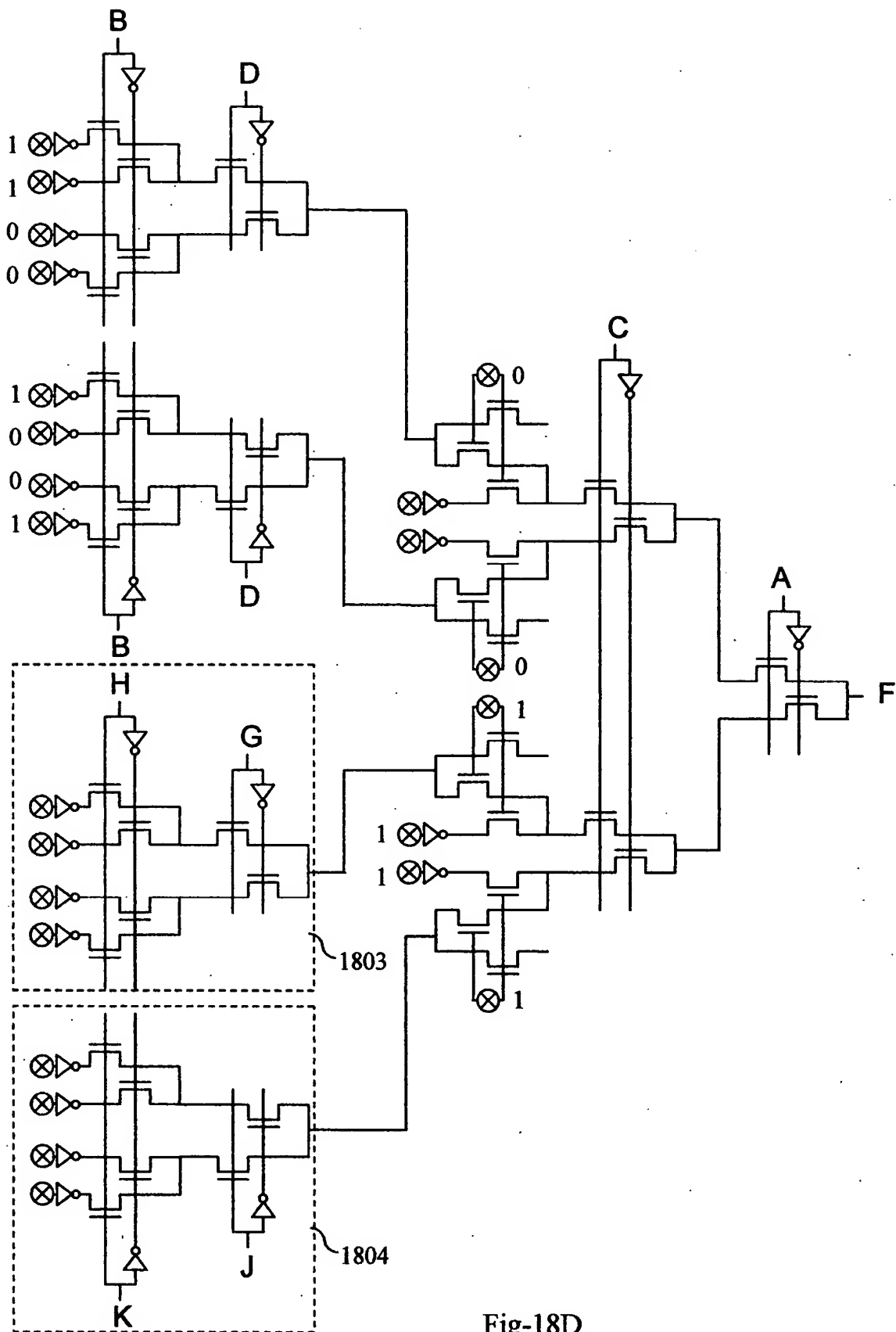


Fig-18D